AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

Claims 1-9 (Canceled).

10. (Previously Presented) A method for detecting a collision as a function of at least one of a pressure signal and a temperature signal representing an adiabatic change of state, comprising:

performing a first comparison of the at least one of the pressure signal and the temperature signal with at least a first threshold;

performing on the at least one of the pressure signal and the temperature signal a low pass filtration before the first comparison;

deriving a variable from the at least one of the pressure signal and the temperature signal;

performing at least one second comparison of the variable with at least one second threshold;

detecting the collision as a function of the first comparison and the at least one second comparison; and

adjusting a sensitivity of the detection, by adjusting at least one of the first threshold and the at least one second threshold, in accordance with the first comparison in that the at least one second comparison is performed only after an amount of the first threshold is exceeded.

11. (Currently Amended) A method for detecting a collision as a function of at least one of a pressure signal and a temperature signal representing an adiabatic change of state, comprising:

performing a first comparison of the at least one of the pressure signal and the temperature signal with at least a first threshold;

performing on the at least one of the pressure signal and the temperature signal a low pass filtration before the first comparison;

deriving a variable from the at least one of the pressure signal and the temperature signal;

performing at least one second comparison of the variable with at least one second threshold;

detecting the collision as a function of the first comparison and the at least one second comparison;

adjusting a sensitivity of the detection, by adjusting at least one of the first threshold and the at least one second threshold, in accordance with the first comparison in that the at least one second comparison is performed only after an amount of the first threshold is exceeded; and

~~The method as recited in Claim 10, further comprising:~~ adapting at least one of the first threshold and the second threshold over the course of time.

12. (Currently Amended) A method for detecting a collision as a function of at least one of a pressure signal and a temperature signal representing an adiabatic change of state, comprising:

performing a first comparison of the at least one of the pressure signal and the temperature signal with at least a first threshold;

performing on the at least one of the pressure signal and the temperature signal a low pass filtration before the first comparison;

deriving a variable from the at least one of the pressure signal and the temperature signal;

performing at least one second comparison of the variable with at least one second threshold;

detecting the collision as a function of the first comparison and the at least one second comparison; and

adjusting a sensitivity of the detection, by adjusting at least one of the first threshold and the at least one second threshold, in accordance with the first comparison in that the at least one second comparison is performed only after an amount of the first threshold is exceeded;

~~The method as recited in Claim 10,~~ wherein[[:]] the second comparison is performed for checking a product of a first time derivative and a second time derivative.

13. (Previously Presented) The method as recited in Claim 10, wherein the method is used to detect a lateral collision.

14. (Previously Presented) The method as recited in Claim 12, further comprising:

varying the first threshold as a function of a frontal collision.

15. (Currently Amended) A method for detecting a collision as a function of at least one of a pressure signal and a temperature signal representing an adiabatic change of state, comprising:

performing a first comparison of the at least one of the pressure signal and the temperature signal with at least a first threshold;

performing on the at least one of the pressure signal and the temperature signal a low pass filtration before the first comparison;

deriving a variable from the at least one of the pressure signal and the temperature signal;

performing at least one second comparison of the variable with at least one second threshold;

detecting the collision as a function of the first comparison and the at least one second comparison;

adjusting a sensitivity of the detection, by adjusting at least one of the first threshold and the at least one second threshold, in accordance with the first comparison in that the at least one second comparison is performed only after an amount of the first threshold is exceeded; and

~~The method as recited in Claim 10, further comprising:~~ raising and then lowering the at least one second threshold.

16. (Currently Amended) A method for detecting a collision as a function of at least one of a pressure signal and a temperature signal representing an adiabatic change of state, comprising:

performing a first comparison of the at least one of the pressure signal and the temperature signal with at least a first threshold;

performing on the at least one of the pressure signal and the temperature signal a low pass filtration before the first comparison;

deriving a variable from the at least one of the pressure signal and the temperature signal;

performing at least one second comparison of the variable with at least one second threshold;

detecting the collision as a function of the first comparison and the at least one second comparison;

adjusting a sensitivity of the detection, by adjusting at least one of the first threshold and the at least one second threshold, in accordance with the first comparison in that the at least one second comparison is performed only after an amount of the first threshold is exceeded; and

~~The method as recited in Claim 10, further comprising:~~ as a function of a detection of the collision, performing a deployment decision for deploying a restraint device in accordance with at least one plausibility signal.